

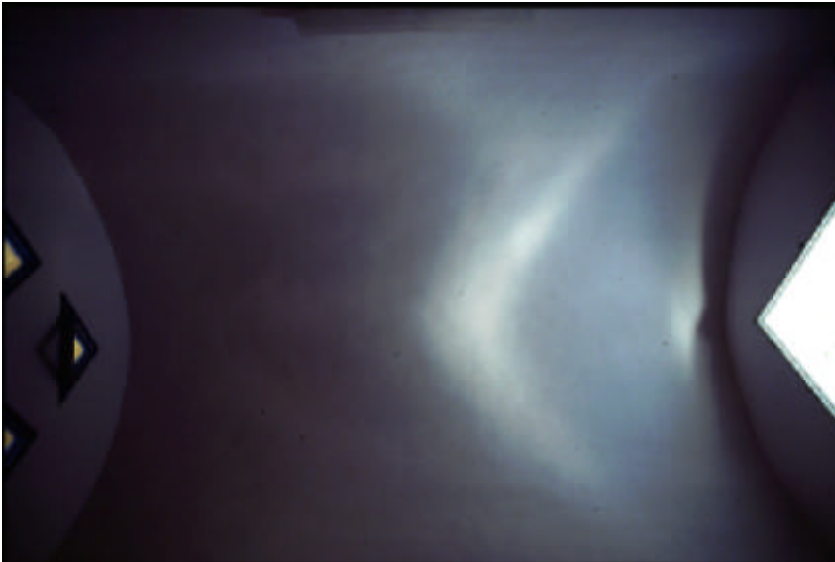
sunny

— 50 —

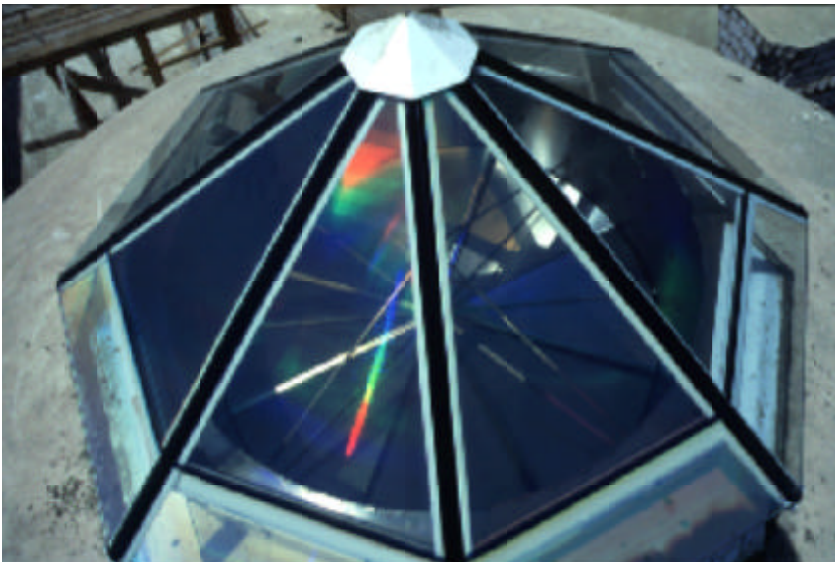
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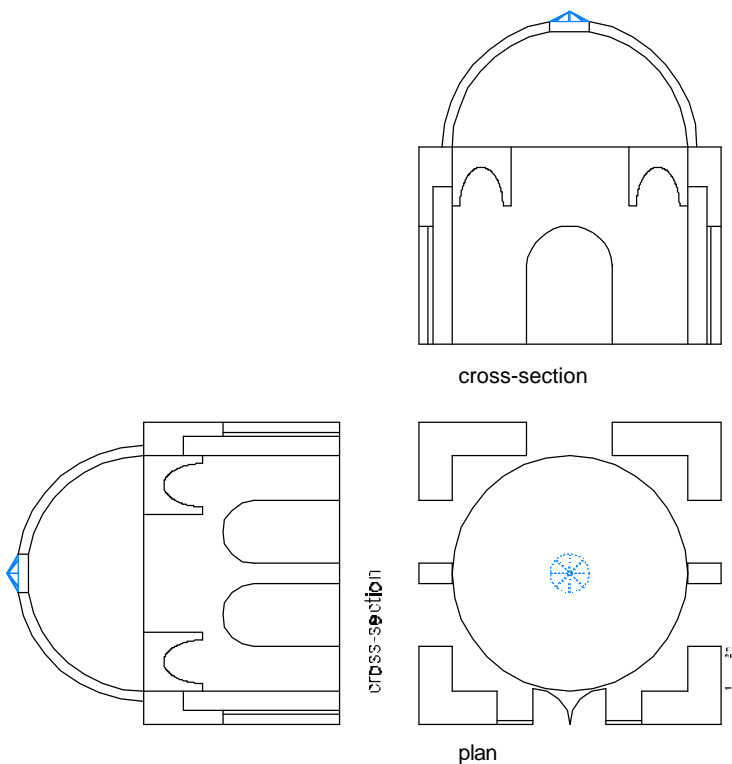
Cross-section showing the dome of the entrance hall with the lantern which is equipped with holographic elements to shade and to redirect sunlight.



View from below up to the barrel- vault in an office room with new window on the right side. The daylight is reflected to the ceiling by a HOE-device and distributed homogeneous and glarefree within the room.



Exterior view of the toplight above the entrance hall with HOE and shading wings.



building data

size	2 500 m ²
number of stories	2
architect	Sherif Algohary, Cairo
daylight consultant	ILB, FH Cologne
year of completion	1996

dome

daylight strategy	unilateral, toplighting
dimensions (depth/width/height)	6,0 m / 6,0 m / 8,0 m
room area	36 m ²
floor	yellow ochre, 60%
wall	yellow ochre, 60%
diffuser	translucent glass
skylight	hologram glass

facade		skylight		
data	orientation	zenithal		
	glazed area	1 m ²		
	opening index	0.03		
function	daylighting	●		
	view outside	-		
	ventilation	-		
	operable	-		
	shading	●		
	redirection	●		
systems		shading wings	diffuser	hologram
function	sun shading	●	-	●
	glare protection	●	-	●
	redirection	-	●	●
location	inside	●	●	-
	window pane	-	-	●
	outside	-	-	-
	movable	●	-	-
	fixed	-	●	●